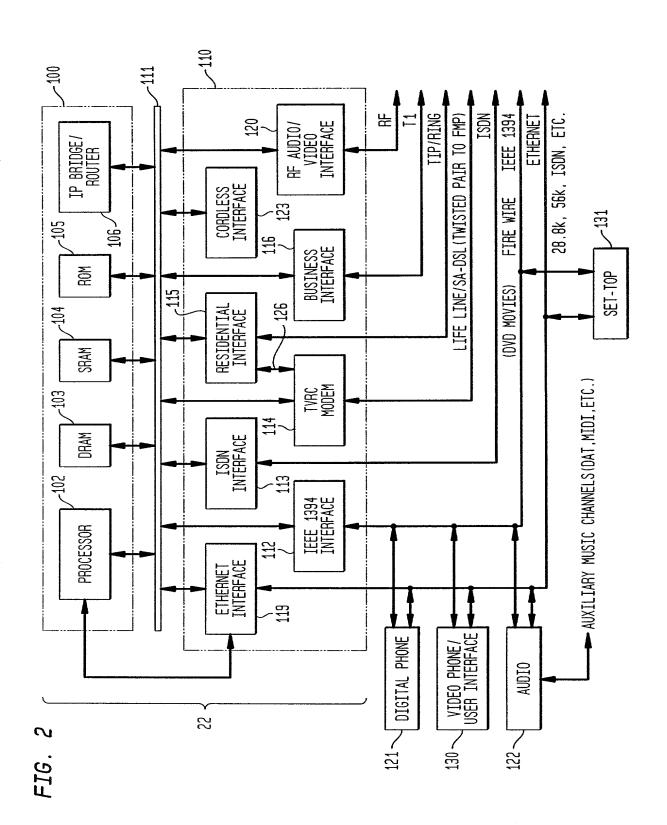
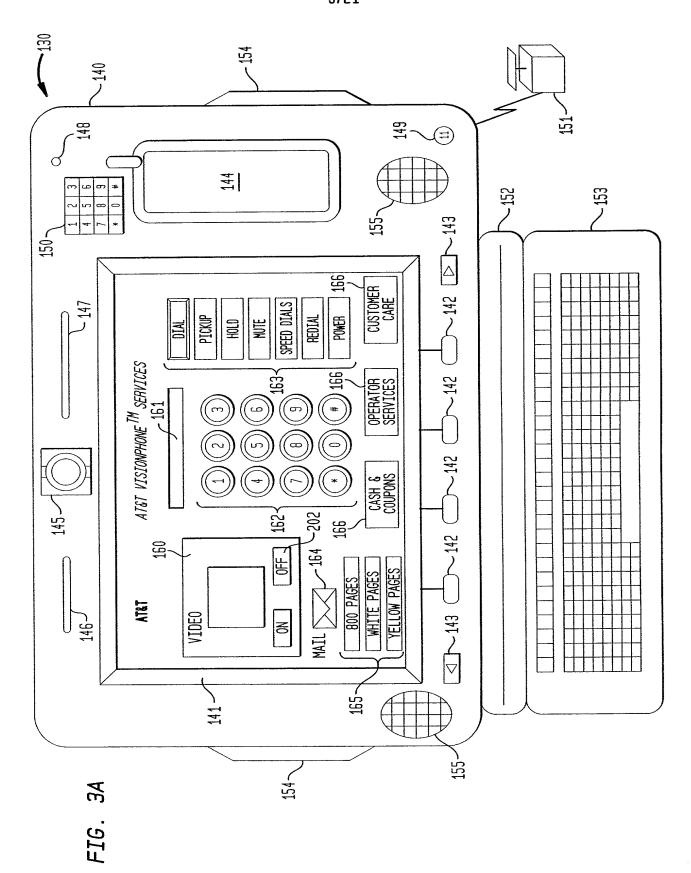
I. GERSZBERG 41-37-3-35-13 1/21 NXDS1 COMMON BACKBONE INTERSPAN HIGH SPEED BACKBONE 600 48 54 WORLDNET SERVICE NODE ROUTING COMPLEX e.g., SONET 0C48 **NETWORK** 25 200 557 PSTN % / TR303 Ĭ DACS 52 INE MONITORING SA-DSL MODEMS
MULTIPLEXING
ROUTING
TR303 SIGNALIN
PACKET/CIRCUIT
CONVERSION FACILITIES MGMT. PLATFORM (FMP) 33 NETWORK SERVER PLATFORM (NSP) AT&T POP ACCESS NETWORK SERVER COMPLEX 33. 32, FOR EXAMPLE ]DDM2000 34 FTS2000 PROTECTOR BLOCK INTELLIGENT SERVICES DIRECTOR (ISD) e.g., T/R ETHERNET CPE CUSTOMER PREMISES 130 37 / 9 DIGITAL PHONE(S) BASE VIDEO-PHONE 0000 0000 0000 10

I. GERSZBERG 41-37-3-35-13 **2/21** 



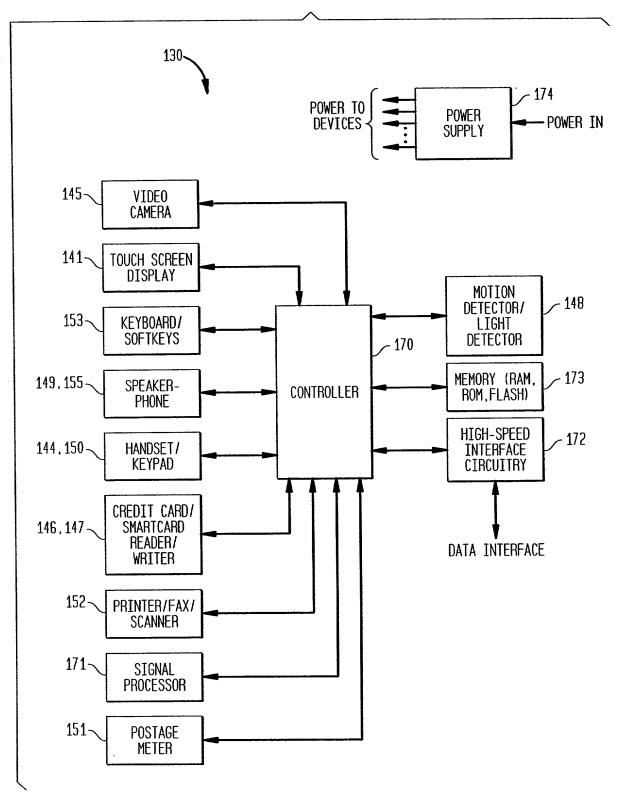
I. GERSZBERG 41-37-3-35-13 3/21



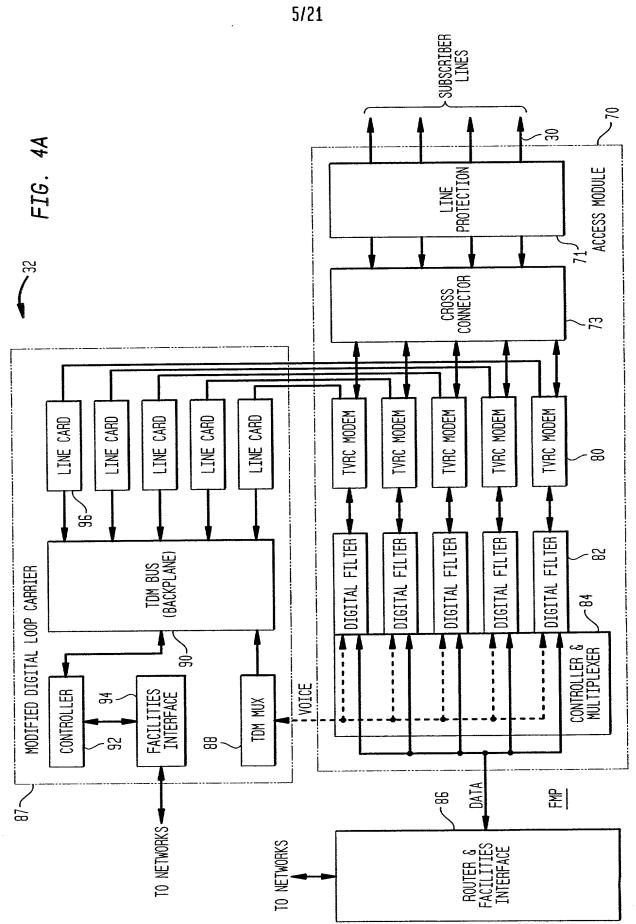
#### I. GERSZBERG 41-37-3-35-13

4/21

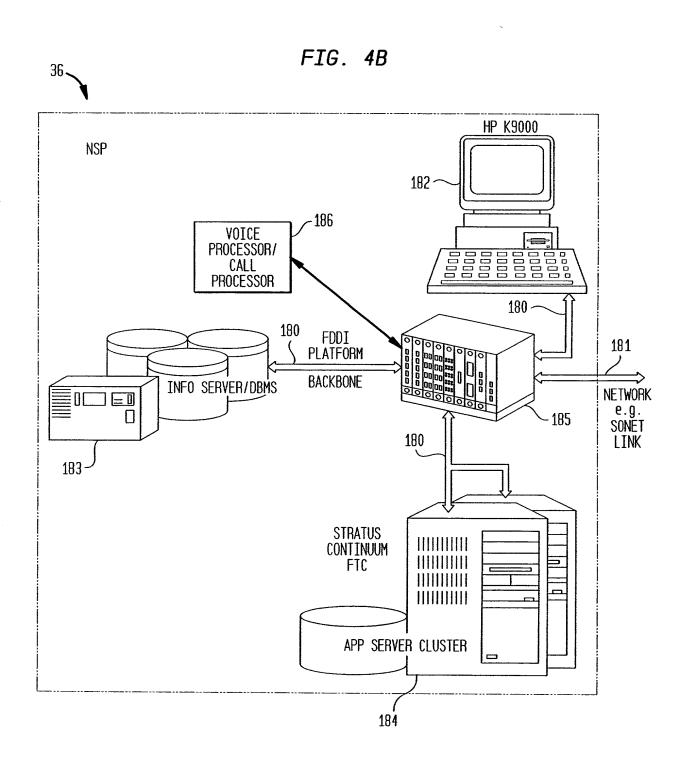
FIG. 3B



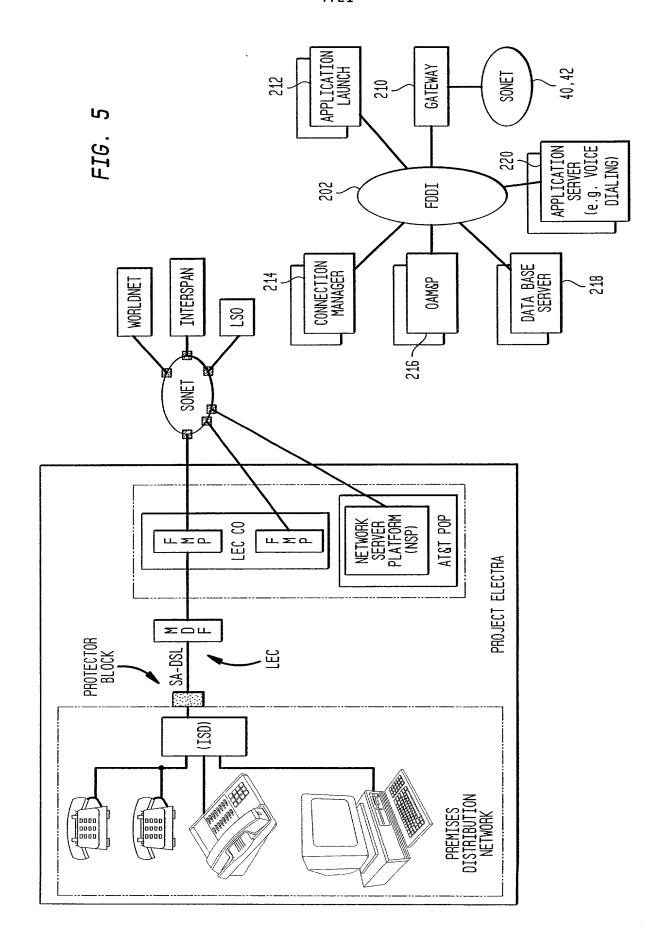
I. GERSZBERG 41-37-3-35-13



I. GERSZBERG 41-37-3-35-13 6/21



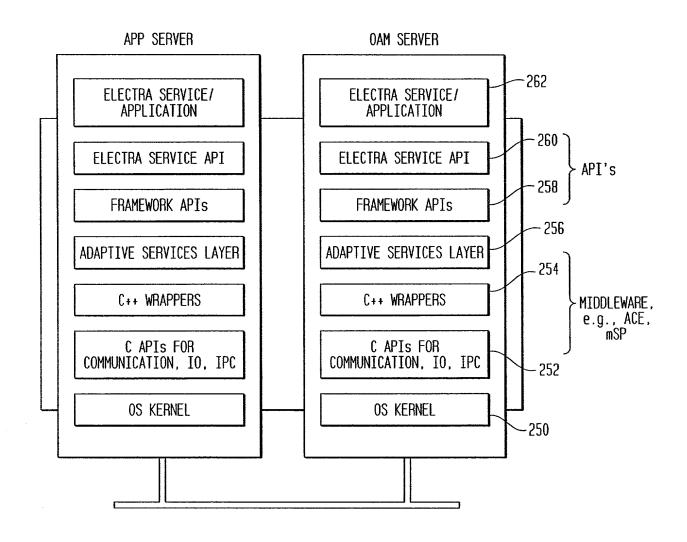
I. GERSZBERG 41-37-3-35-13 7/21



## I. GERSZBERG 41-37-3-35-13 8/21 -183 CONCENTRATION HUB WORL DNET SERVER (HP) 9 FIG. NxDS1 APPLICATION SERVER (STRATUS) FING INTERSPAN HIGH SPEED BACKBONE 184/ OAMSP SERVER (HP) DACS SONET 0C48 PSTN **SS**7 182~ LS0 EDDI CONCENTRATOR FACILITIES MGMT. PLATFORM (FMP) NETWORK SERVER PLATFORM (NSP) $\Sigma \cap \Pi$ PROJECT ELECTRA PREMISES DISTRIBUTION NETWORK 0000

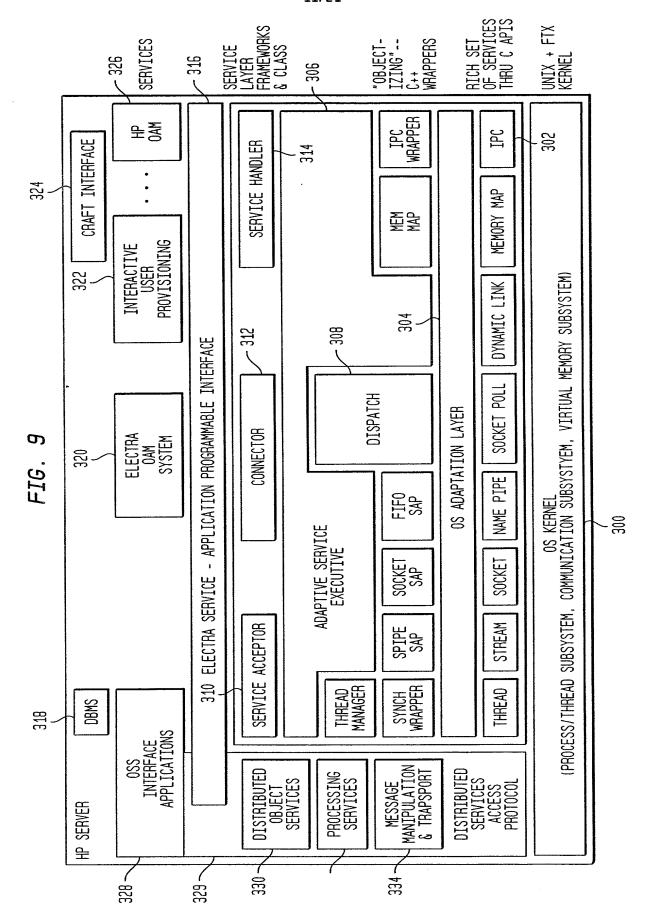
# I. GERSZBERG 41-37-3-35-13 9/21

FIG. 7

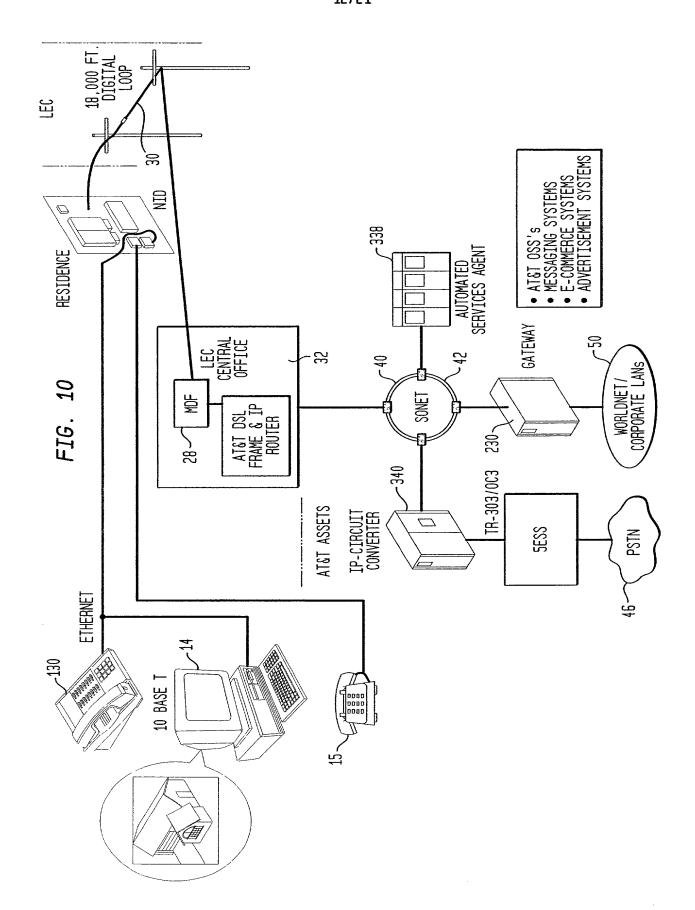


I. GERSZBERG 41-37-3-35-13 10/21 SERVICE LAYER FRAMEWORKS & CLASS UNIX + FTX KERNEL SERVICES "OBJECT-IZING"--C++ WRAPPERS 286 ر 388 276 STRATUS OAM IPC WRAPPER F) SERVICE HANDLER 236 5 284 OS KERNEL (FAULT TOLERANCE, PROCESS/THREAD SUBSYSTEM, COMMUNICATION SUBSYSTYEM, VIRTUAL MEMORY SUBSYSTEM) MEMORY MAP 절 DYNAMIC USER PROFILE MANAGEMENT 294 DYNAMIC LINK ELECTRA SERVICE - APPLICATION PROGRAMMABLE INTERFACE 292 SOCKET POLL DISPATCH OS ADAPTATION LAYER NEW SERVICE APPLICATION  $\boldsymbol{\varphi}$ CONNECTOR FIG.270 NAME PIPE SPE SPE 230 ADAPTIVE SERVICE EXECUTIVE USP CALL PROCESSING SYSTEM SOCKET SAP SOCKET 274 STREAM SPIPE SAP 388 SERVICE ACCEPTOR STRATUS SERVER TRAFFIC PIPE MANAGEMENT 272 88 THREAD MANAGER SYNCH WRAPPER THREAD

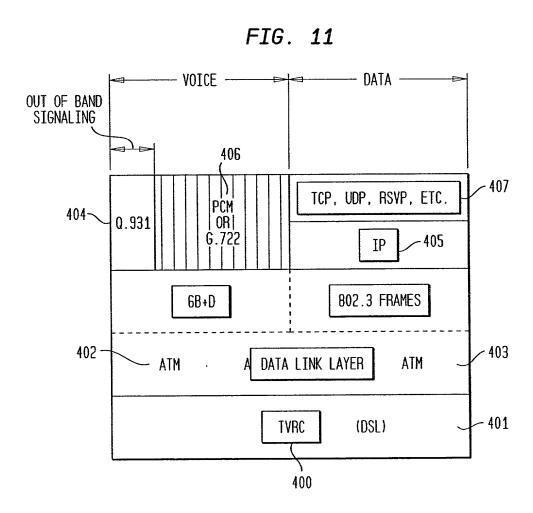
I. GERSZBERG 41-37-3-35-13 11/21



I. GERSZBERG 41-37-3-35-13 12/21

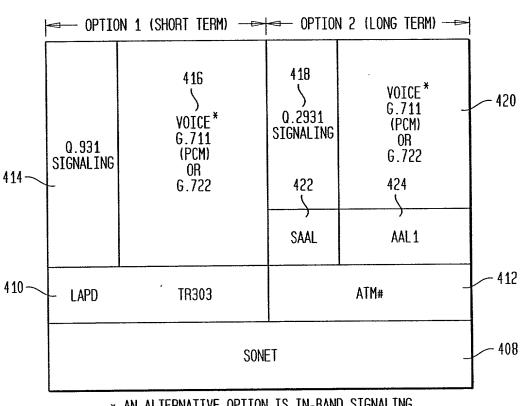


I. GERSZBERG 41-37-3-35-13 13/21



### I. GERSZBERG 41-37-3-35-13 14/21

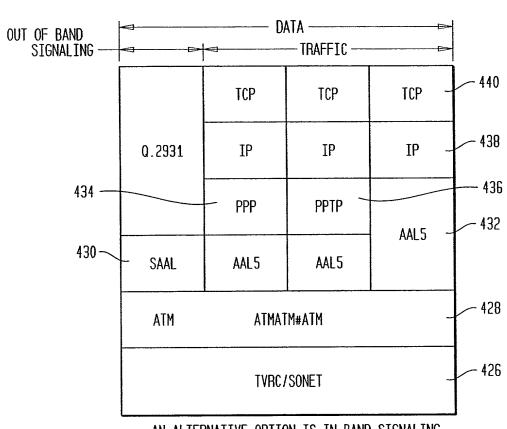
FIG. 12



\* AN ALTERNATIVE OPTION IS IN-BAND SIGNALING # OTHER ALTERNATIVE OPTIONS WILL BE CONSIDERED

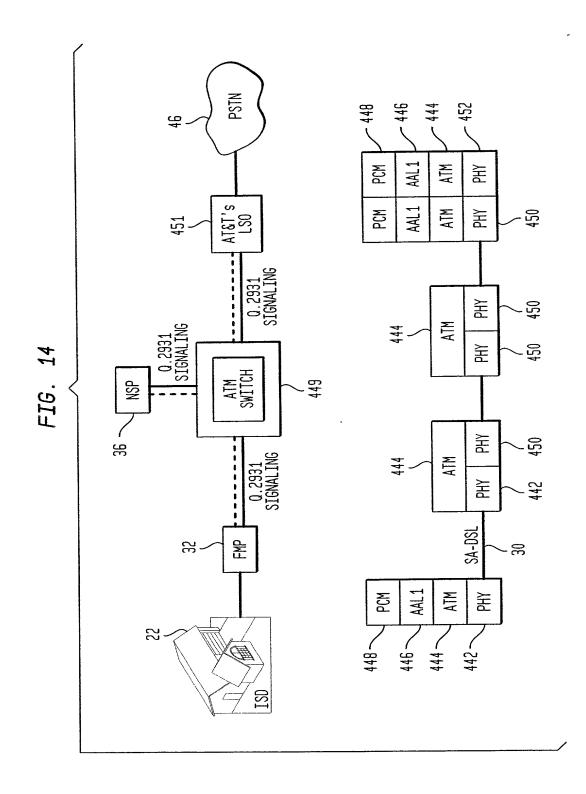
### I. GERSZBERG 41-37-3-35-13 15/21

FIG. 13

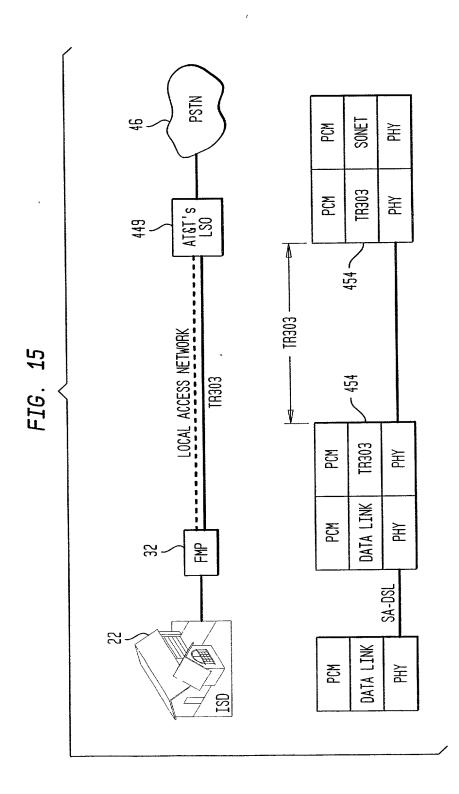


\* AN ALTERNATIVE OPTION IS IN-BAND SIGNALING # OTHER ALTERNATIVE OPTIONS WILL BE CONSIDERED

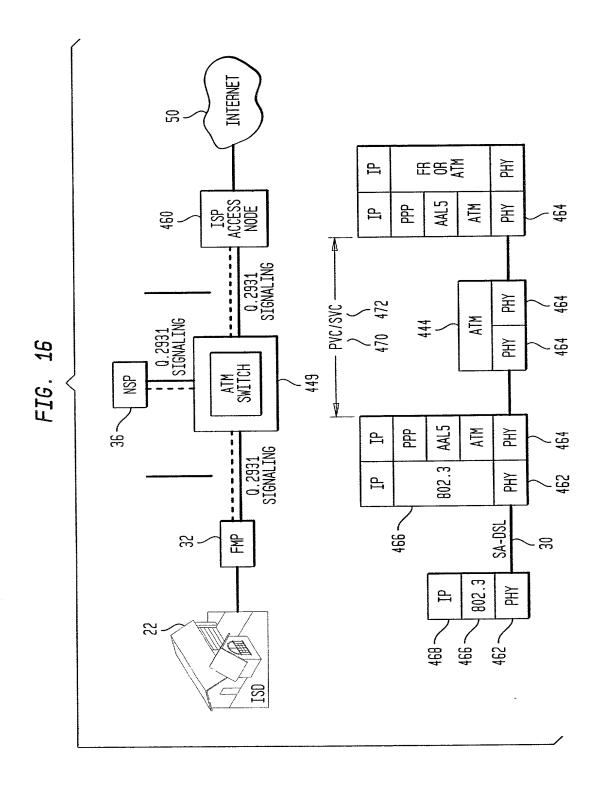
I. GERSZBERG 41-37-3-35-13
16/21



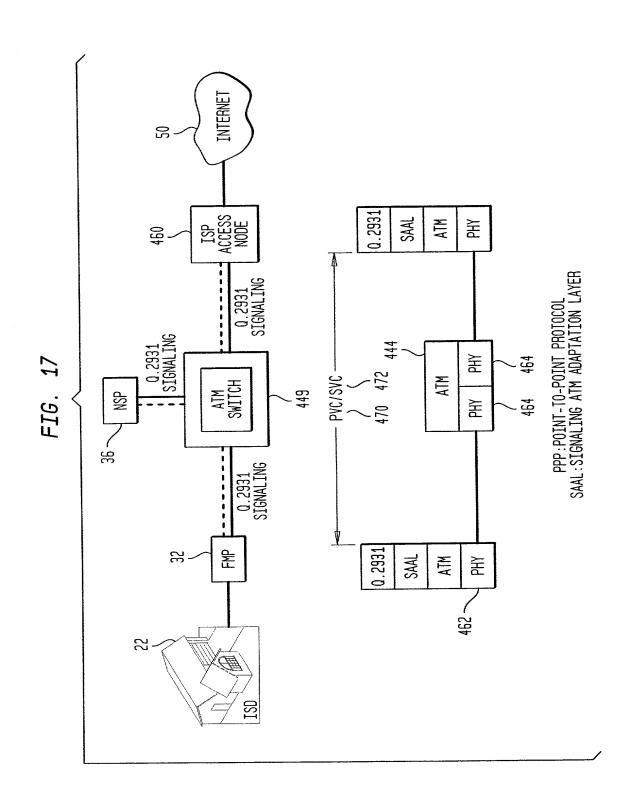
I. GERSZBERG 41-37-3-35-13
17/21



I. GERSZBERG 41-37-3-35-13 18/21



I. GERSZBERG 41-37-3-35-13 19/21



I. GERSZBERG 41-37-3-35-13 20/21

ACCESS NODE 490 ACCESS NETWORK PPTP TUNNELING 쮼

I. GERSZBERG 41-37-3-35-13 **21/21** 

